



CERTIFIED SOLAR THERMAL SYSTEM

SUPPLIER:
Alternate Energy Technologies
 1345 Energy Cove Court
 Green Cove Springs, FL 32043 USA
 www.aetsolar.com

MODEL: D-80-40/42
 THERMAL SYSTEM Pumped, Direct
 TYPE:
 CERTIFICATION #: S9241
 Original June 24, 2010
 Certification:
 Expiration Date: June 24, 2030

This system was evaluated by the Florida Solar Energy Center (FSEC) in accordance with the Florida Standards Program for Solar Domestic Water and Pool Heating Systems (FSEC Standard 104-10) and was found to meet the minimum standards established by FSEC.

The calculated Florida Energy Factors (FEF) for this system are:		
FEF North (FEF _N)	FEF Central (FEF _C)	FEF South (FEF _S)
3.50	5.10	5.80

Option	Collector Panel Manufacturer	Collector Panel Certification Number	Collector Panel Model Number	Quantity	Total Panel area	Total Panel area
1	Alternate Energy Technologies	00213N	MSC-21	2	4.00 (m ²)	43 (ft ²)
	Alternate Energy Technologies	00215N	MSC-40	1	3.76 (m ²)	40.52 (ft ²)
	Alternate Energy Technologies	00081N	AE-21	2	3.86 (m ²)	41.54 (ft ²)
	Alternate Energy Technologies	00090N	AE-40	1	3.70 (m ²)	39.79 (ft ²)

Tank Manufacturer	Model	Capacity	Type	Equivalent Tank may be substituted
Generic UL listed electric water heater	Generic303	303 liter	Solar	YES

Pump Manufacturer	Model Number	Power Draw	Type
TACO	003-BC4	50 W	Centrifugal
Grundfos	UP15-18B5	30 W	Centrifugal

Controller Manufacturer	Model Number	Type
IMC Instruments	Eagle 2	Differential
IMC Instruments	Eagle 1	Differential
Goldline Controls	GL-30-LCO	Differential

Freeze Protection 1: Freeze valve
Freeze Protection 2:

REMARKS:

Joseph Walters
 Technical Director



Missing System Diagram Image

If you need System diagram image please contact FSEC
at thermal@fsec.ucf.edu.

